

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. – 39. (Canceled)

40. (Currently amended) A method of generating a permanent record of a service provided to a user at a location of a mobile device of the user, the method comprising:

receiving a request for a permanent record of a service and information identifying a specific printer on which the permanent record is to be printed, wherein the specific printer is located at the location of the mobile device of the user, and wherein the request for the permanent record and the information identifying a specific printer are received from the mobile device of the user;

processing the received request for the permanent record, wherein the processing includes generating data for printout of the permanent record, the data for printout comprising a digital image, the digital image comprising a plurality of pixels; and

transmitting the generated data to a print server, wherein the print server is configured to modify the data for the printout based on the characteristics of the specific printer and transmit the modified data for the printout to the mobile device of the user, wherein the modification of the data comprises utilizing an adaptive halftone method;

wherein the mobile device is configured to communicate the modified data for the printout of the permanent record to the specific printer;

wherein the adaptive halftone method comprises performing the following for each pixel in the plurality of pixels:

determining an input value of the pixel;

determining a filtered value of the pixel based on a filter of the digital image;

obtaining a difference value of the pixel, the difference value being the difference between the input value and the filtered value; and

generating the output value for the pixel based on a relationship of the difference value to a threshold value, the threshold value based on a difference value and a filtered value of another pixel from the plurality of pixels.

41. (Previously Presented) The method of claim 40, further comprising:
completing a transaction with a transaction server prior to transmitting the generated data to a print server.
42. (Previously Presented) The method of claim 40, further comprising:
receiving data relating to the location of the mobile device, wherein the location of the mobile device is determined by the mobile device.
43. (Previously Presented) The method of claim 40, further comprising:
transmitting a message to the mobile device after transmitting the generated data to a print server, wherein the message comprises a confirmation that the request for the permanent record has been filled.
44. (Previously Presented) The method of claim 40, wherein the requested service is an event ticket.
45. (Previously Presented) The method of claim 40, wherein the requested service is a coupon.
46. (Previously Presented) The method of claim 42, wherein the requested service is a location-based service.
47. (Canceled)
48. (Currently amended) A system for generating a permanent record of a service provided to a user at a location of a mobile device of the user, the system comprising:
a receiver configured to receive a request for a permanent record of a service and information identifying a specific printer on which the permanent record is to be printed, wherein the specific printer is located at the location of the mobile device of the user, and wherein the request for the permanent record and the information identifying a specific printer are received from the mobile device of the user;

a processor configured to process the received request for the permanent record, wherein the processing includes generating data for printout of the permanent record, the data for printout comprising a digital image, the digital image comprising a plurality of pixels; and

a transmitter configured to transmit the generated data to a print server, wherein the print server is configured to modify the data for the printout based on the characteristics of the specific printer and transmit the modified data for the printout to the mobile device of the user, wherein the modification of the data comprises utilizing an adaptive halftone method;

wherein the mobile device is configured to communicate the modified data for the printout of the permanent record to the specific printer;

wherein the adaptive halftone method comprises performing the following for each pixel in the plurality of pixels:

determining an input value of the pixel;

determining a filtered value of the pixel based on a filter of the digital image;

obtaining a difference value of the pixel, the difference value being the difference between the input value and the filtered value; and

generating the output value for the pixel based on a relationship of the difference value to a threshold value, the threshold value based on a difference value and a filtered value of another pixel from the plurality of pixels.

49. (Previously Presented) The system of claim 48, further comprising:

a communication mechanism configured to communicate with a transaction server prior to transmitting the generated data to a print server.

50. (Previously Presented) The system of claim 48, wherein the receiver is further configured to receive data relating to the location of the mobile device, wherein the location of the mobile device is determined by the mobile device.

51. (Previously Presented) The system of claim 48, further comprising:

a transmitter configured to transmit a message to the mobile device of the user after transmitting the generated data to a print server, wherein the message comprises a confirmation that the request for the permanent record has been filled.

52. (Previously Presented) The system of claim 48, wherein the requested service is an event ticket.

53. (Previously Presented) The system of claim 48, wherein the requested service is a coupon.

54. (Previously Presented) The system of claim 50, wherein the requested service is a location-based service.

55. (Canceled)

56. (Currently amended) A tangible computer readable medium comprising instructions for generating a permanent record of a service provided to a user at a location of a mobile device of the user, the instructions comprising instructions for:

receiving a request for a permanent record of a service and information identifying a specific printer on which the permanent record is to be printed, wherein the specific printer is located at the location of the mobile device of the user, and wherein the request for the permanent record and the information identifying a specific printer are transmitted from the mobile device of the user;

processing the received request for the permanent record, wherein the processing includes generating data for printout of the permanent record, the data for printout comprising a digital image, the digital image comprising a plurality of pixels; and

transmitting the generated data to a print server, wherein the print server is configured to modify the data for the printout based on the characteristics of the specific printer and transmit the modified data for the printout to the mobile device of the user, wherein the modification of the data comprises utilizing an adaptive halftone method;

wherein the mobile device is configured to communicate the modified data for the printout of the permanent record to the specific printer;

wherein the adaptive halftone method comprises performing the following for each pixel in the plurality of pixels:

determining an input value of the pixel;
determining a filtered value of the pixel based on a filter of the digital image;
obtaining a difference value of the pixel, the difference value being the
difference between the input value and the filtered value; and
generating the output value for the pixel based on a relationship of the
difference value to a threshold value, the threshold value based on a difference value
and a filtered value of another pixel from the plurality of pixels.

57. (Currently amended) The tangible computer readable medium of claim 56, the instructions further comprising instructions for:

completing a transaction with a transaction server prior to transmitting the generated data to a print server.

58. (Currently amended) The tangible computer readable medium of claim 56, the instructions further comprising instructions for:

receiving data relating to the location of the mobile device, wherein the location of the mobile device is determined by the mobile device.

59. (Currently amended) The tangible computer readable medium of claim 56, the instructions further comprising instructions for:

transmitting a message to the mobile device of the user after transmitting the generated data to a print server, wherein the message comprises a confirmation that the request for the permanent record has been filled.

60. (Currently amended) The tangible computer readable medium of claim 56, wherein the requested service is an event ticket.

61. (Currently amended) The tangible computer readable medium of claim 56, wherein the requested service is a coupon.

62. (Canceled)